

General sessions

8:00 AM Introduction to Agile Biomanufacturing and Workshop Overview

8:00 AM Welcome and overview of the Agile Biomanufacturing concept
Jay Keasling, Lawrence Berkeley National Lab

8:15 AM Synthetic biology and biomanufacturing in the DOE Bioenergy Technologies Office
Kevin Craig, Department of Energy Bioenergy Technologies Office

8:30 AM Foundry vision and proof of concept
Nathan Hillson, Lawrence Berkeley National Lab

9:00 AM Process integration and predictable scale-up
Gregg Beckham, National Renewable Energy Lab

9:15 AM Overview of workshop and intended outcomes
Katy Christiansen, Lawrence Berkeley National Lab

9:25 AM Using ThinkTank
Jodi Grgich, Idaho National Lab

9:45 AM Industry Input Session: Discussion of Agile Biomanufacturing Concept

10:30 AM BREAK

10:45 AM Breakout sessions (see reverse)

12:45 PM LUNCH

1:45 PM Breakout sessions

3:45 PM BREAK

4:00 PM Breakout session

5:00 PM Reconvene in general session

5:05 PM Final input session and wrap-up

Breakout Sessions

Breakout session format: Breakout sessions will be an hour long, consisting of 5-10 minutes of overview presented by the facilitator and followed by 50 minutes of guided discussion for stakeholders to provide constructive input and suggestions.

Management and Intellectual Property Track

- 10:45 AM** Consortium management, structure, and operations
Facilitator: Tony Palumbo, Oak Ridge National Lab
- 11:45 AM** Intellectual property and sponsored projects
Facilitator: Todd Pray, Lawrence Berkeley National Lab
- 1:45 PM** Funding options for working with the consortium
Facilitator: Blake Simmons, Lawrence Berkeley National Lab
- 2:45 PM** Molecule selection for the consortium
Facilitator: Mary Bidy, National Renewable Energy Lab
- 4:00 PM** Advisory board roles and responsibilities
Facilitator: Jennifer Dunn, Argonne National Lab

R&D Barriers Track

- 10:45 AM** Design: Building better biological pathways
Facilitator: Gregg Beckham, National Renewable Energy Lab
- 11:45 AM** Build: Putting better biological pathways into new and established host organisms
Facilitators: Taraka Dale, Los Alamos National Laboratory, Adam Guss, Oak Ridge National Laboratory
- 1:45 PM** Test: Assays and tools to understand performance of pathways in hosts
Facilitator: Jon Magnuson, Pacific Northwest National Lab
- 2:45 PM** Learn: Machine learning and statistical methods for improving design, build, test, process integration, and scaling
Facilitator: Katy Christiansen, Lawrence Berkeley National Lab
- 4:00 PM** Process integration and scaling: Bioprocess development and scaling, including feedstocks considerations
Facilitators: Gregg Beckham, National Renewable Energy Lab, Dave Thompson, Idaho National Lab